Another fact that is shown in Fig. 173 is that the temperatures at points *A* and *C* are those between which the dissociation cf 2 CO to C and C02 will occur as shown in the curve in Fig. 180.

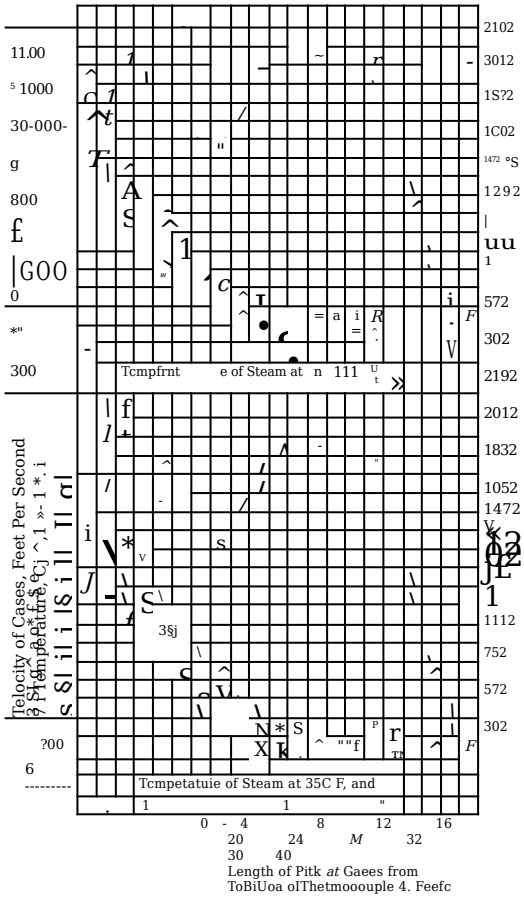

FIG. 178.

Curve showing the temperature of gases flowing through double pass horizontally baffled boiler in Fig. 177. Positions of thermo couples indicated by letters. Solid line curves show temperatures indicated by pyrometer couples. Dotted line curve shows computed approximate true gas temperatures. Dash curve shows computed gas velocities, probably based on gases occupying full area, of pass. Upper and lower diagrams show similar data for two different initial temperatures.

A considerable portion of the soot formed in this pass will drop into the pocket in the setting below the pass, other portions will pass on and out of the stack.